



# DICATI

Reg. No. L8414, Act No. 36 of 1947 | Reg. Nr. L8414, Wet Nr. 36 van 1947

**Read the label before use**  
**Keep out of reach of children and animals**

An emulsifiable concentrate systemic fungicide for the control of scab in apples and pears; rust in beans (green, dry and soy beans); navel-end rot and brown spot in citrus; powdery mildew in grapes; leaf spot in ground nuts; grey leaf spot and northern leaf blight in maize; and early blight in potatoes and tomatoes.

#### Hazard Statements

Flammable liquid and vapour.  
Harmful if swallowed.  
May be fatal if swallowed and enters airways.  
Causes skin irritation.  
Causes serious eye damage.  
May cause respiratory irritation.  
May cause drowsiness or dizziness.  
Very toxic to aquatic life with long lasting effects.

#### Precautionary Statements

Avoid breathing dust/fume/gas/mist/ vapours/spray.  
Wash hands thoroughly after handling.

### FUNGICIDE GROUP CODE 3

#### ACTIVE INGREDIENT

Difenoconazole (triazole).... 250 g/l

Registration Holder | Registrasiehouer

**Sharda Africa International (PTY) LTD**

Reg No. / Reg Nr. 2010/002268/07

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'n Emulgeerbare konsentraat sistemiese swamdoder vir die beheer van skurf in appels en pere; roes in bone (groen - droeë - en soja); nawel-end verrotting en bruinvlek in sitrus; poeieragtige meeldou in druiwe; blaarvlek in grondbone; grysblaarvlek en noordelike blaarskroei in mielies; en vroeëroes in aartappels en tamaties.



**Danger**

### SWAMDODER GROEPKODE 3

#### AKTIEWE BESTANDDEEL

Difenokonasool (triasool).... 250 g/l

|                                                |  |
|------------------------------------------------|--|
| BATCH NUMBER<br>LOT NOMMER                     |  |
| DATE OF MANUFACTURE<br>DATUM VAN VERVAARDIGING |  |

CONTENTS / INHOUD

**5ℓ**

**UN No. / VN Nr. 3082**

**National Poison help line/emergency contact number:086 155 5171**

WARNINGS

- Allow the following number of days between last application and harvest or feeding:

|                  |         |                     |         |          |         |
|------------------|---------|---------------------|---------|----------|---------|
| Apples and pears | 14 days | Beans               | 14 days | Citrus   | 90 days |
| Grapes           | 28 days | Groundnuts (fodder) | 21 days | Maize    | 14 days |
| Potatoes         | 14 days | Soy beans           | 18 days | Tomatoes | 7 days  |
- Flammable liquid and vapour.
- Harmful if swallowed.
- May be fatal if swallowed and enters airways.
- Causes skin irritation.
- Causes serious eye damage.
- May cause respiratory irritation.
- May cause drowsiness or dizziness.
- Very toxic to aquatic life with long lasting effects.
- Do not graze or use treated maize as fodder.
- Handle with care.
- Keep out of reach of children, uninformed persons and animals.
- Store in the original container under lock and key, tightly closed and away from sun and damp in a well ventilated cool area. Avoid storage temperatures below 10°C and above 35°C.
- Store away from food and feed.
- Prevent contamination of dams, rivers and any water body.
- FLAMMABLE: Keep away from heat and flame.
- Re-entry: Do not enter the treated field until the spray deposit has dried unless wearing protective clothing.
- Aerial application: Notify all inhabitants in the immediate vicinity of the area to be sprayed and issue the necessary warning. Do not spray over or allow drift to contaminate water of adjacent areas.

Although this fungicide has been extensively tested under a large variety of conditions the registration holder does not warrant that it will be efficacious under all conditions because the action and effect thereof may be effected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water, compatibility with other substances not indicated on the label and the occurrence of resistance of the disease against the remedy concerned as well as by the method, time and accuracy of the application. The registration holder furthermore does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animal or for lack of performance of the remedy concerned due to failure of the user to follow the label instructions or to the occurrence of conditions, which could not have been foreseen in terms of the registration. Consult the supplier in event of any uncertainty.

PRECAUTIONS

- Avoid breathing dust/fume/gas/mist/ vapours/spray.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Use only outdoors or in a well-ventilated area.
- Avoid release to the environment.
- Wear eye protection/face protection.
- IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- IF ON SKIN: Wash with plenty of water.
- IF INHALED: Get medical help.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Rinse mouth.
- Do NOT induce vomiting.
- If eye irritation persists: Get medical advice/attention.
- Store locked up.
- Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can disposed of as non-hazardous waste.
- Avoid contact with skin and eyes.
- Wear protective clothing when handling the concentrate (face shield, rubber boots, gloves).
- In case of accidental contact with eyes, rinse with clean water for at least 15 minutes.
- After use and in the case of accidental skin contact, wash thoroughly with soap and water.
- Wash contaminated clothing after use.
- Prevent contamination of food, feedstuff, eating utensils and drinking water.
- Prevent the drift of spray mist onto other crops, grazing, rivers, dams or areas not under treatment.
- Rinse empty container three times with a volume of water equal to a minimum of 10% of that of the container. Add the rinsings to the contents of the spray tank before destroying the container in the prescribed manner. Destroy the empty container by perforation and flattening and never use for any other purpose.

RELEVANT SUBSTANCES:

| Components                                                       | %    |
|------------------------------------------------------------------|------|
| Difenconazole                                                    | < 25 |
| Hydrocarbons, C9, aromatics                                      | < 60 |
| 2-ethylhexan-1-ol                                                | < 15 |
| Benzenesulfonic acid, C10-13-(linear)alkyl derivs., calcium salt | < 20 |

RESISTANCE WARNING:

For resistance management **DICATI** is a group code 3 fungicide. Any fungus population may contain individuals naturally resistant to **DICATI** and other group code 3 fungicides. The resistant individuals can eventually dominate the fungus population if these fungicides are used repeatedly. **DICATI** or any other group code 3 fungicide may not control these resistant fungi.  
To delay fungicide resistance: Avoid exclusive repeated use of fungicides from the same fungicide group code. Alternate or tank mix with products from different fungicide group codes. Integrate other control methods (chemical, cultural, biological) into disease control programmes.  
For specific information on resistance management contact the registration holder of this product.

CROP – DISEASE RECOMMENDATIONS

**DICATI** is a local systemic fungicide with limited acropetally movement. When applied in a protective spray programme **DICATI** effectively controls apple scab (*Venturia inaequalis*) in apples; brown rust (*Uromyces appendiculatus*) in beans; navel end-rot/black core rot (*Alternaria citri*) and brown spot (*Alternaria alternata*) in citrus; powdery mildew (*Oidium tuckeri*, = *Uncinula necator*) in grapes; early leaf spot (*Cercospora arachidicola*), late leaf spot (*Cercosporidium personatum*), web blotch (*Phoma arachidicola*) and rust (*Puccinia arachidis*) in groundnuts; grey leaf spot (*Cercospora zeae-maydis*) and northern leaf blight (*Helminthosporium turcicum*) in maize; pear scab (*Venturia pirina*) in pears; early blight (*Alternaria solani*) in potatoes and tomatoes; soy bean rust (*Phakopsora pachyrhizi*) in soy beans.

USE RESTRICTIONS

Drought, nutrient or other stress conditions can reduce the uptake and activity of systemic fungicides in crops. It is not recommended to apply **DICATI** during these stress periods. If in doubt, consult your supplier or distributor. Apply **DICATI** as a preventive spray programme unless mentioned otherwise.

DIRECTIONS FOR USE • USE ONLY AS DIRECTED

**Compatibility:** **DICATI** compatibility with other products is influenced by the formulation of the products involved and the quality of the spray water. A physical compatibility test should always be carried out prior to application. **DICATI** can be tank-mixed with **SEGAR**, Chlorothalonil 720 SC, Mancozeb 750 WG and Mancozeb 800 WP.

**Spray additive:** When spraying beans, groundnuts and potatoes a penetrant/sticker should be added to the spray mix according to label recommendations.

**Mixing Instructions:** Replace the container cap after pouring.

Add the required amount of **DICATI** to the water in the spray tank. When a wettable powder is sprayed as a tank mix with **DICATI**, the wettable powder should be added to the spray water first, agitated and then add the **DICATI** and fill the spray tank to its final volume.

Ensure thorough agitation of the mixture in the spray tank during mixing and spraying.

Mixtures must be sprayed out immediately and not allowed to stand in the spray tank.

**Application techniques:** Ground application: Apply in 300 – 500 ℓ water/ha.

**DICATI** may be applied using conventional high volume spray equipment. Nozzles should be fitted with hollow cone tips giving medium to fine droplets. Calibrate spray equipment before application to ensure that the correct dosage rate per hectare is applied. Ensure an even spray droplet distribution on the target area.

Aerial Application:

Aerial application of **DICATI** may only be done by a registered Aerial Application Operator using a correctly calibrated, registered aircraft according to the instructions of SABS Code 10118 (Aerial Application of Agricultural Pesticides). Ensure that the spray mixture is distributed evenly over the target area and that the loss of spray material during application is restricted to a minimum. It is therefore essential that the following criteria be met:

- Volume: A spray mixture volume of 30 ℓ per hectare is recommended. As this product has not been evaluated at a reduced volume rate, the registration holder cannot guarantee efficacy, or be held responsible for any adverse effects if this product is applied aerially at a lower volume rate than recommended above.
- Droplet coverage: 25 to 35 droplets per cm<sup>2</sup> must be recovered at the target area.
- Droplet size: A droplet spectrum with a VMD of 280 to 300 microns is recommended. Limit the production of fine droplets less than 150 microns (high drift and evaporation potential) to a minimum.
- Flying height: Maintain the height of the spray boom at 3 to 4 metres above the target. Do not spray when aircraft dives, is in a climb or when banking
- Use suitable atomising equipment that will produce the desired droplet size and coverage, but which will ensure the minimum loss of product. The spraying system must produce a droplet spectrum with the lowest possible Relative Span.
- Position all the atomisers within the inner 60 to 75 % of the wingspan to prevent droplets from entering the wingtip vortices.
- The difference in temperature between the wet and dry bulb thermometers, of a whirling hygrometer, should not exceed 8°C.

- Stop spraying if the wind speed exceeds 15 km/h.
- Stop spraying under turbulent, unstable and dry conditions during the heat of the day.
- Spraying under temperature inversion conditions (spraying in or above the inversion layer) and/or high humidity conditions (relative humidity 80 % and above) may lead to the following:
  - reduced efficacy due to suspension and evaporation of small droplets in the air (inadequate coverage),
  - damage to other sensitive crops and/or non-target areas through drifting of the suspended spray cloud away from the target field.
- Ensure that the Aerial Spray Operator knows exactly which fields to spray.
- Obtain an assurance from the Aerial Spray Operator that the above requirements will be met and that relevant data will be compiled in a logbook and kept for future reference.

APPLICATION RECOMMENDATIONS

| CROP / DISEASE                                                                                                                                                                                                                                                                                                                                                                          | DOSAGE 100ℓ                                                                                                                                                                                                                                                                                             | REMARKS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>APPLES AND PEARS</b><br>Apple scab<br>( <i>Venturia inaequalis</i> )<br>Pear scab<br>( <i>Venturia pirina</i> )                                                                                                                                                                                                                                                                      | 6 mℓ +<br>100 mℓ Captab 500 SC<br>or<br>75 g Mancozeb 750 WG                                                                                                                                                                                                                                            | Spray at 7 day intervals from green-tip to the end of the flowering period.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                         | 6 mℓ +<br>100 mℓ Captab 500 SC<br>or<br>75 g Mancozeb 750 WG                                                                                                                                                                                                                                            | Spray at 10 to 14 day intervals from the end of flowering.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>BEANS</b><br><br>Brown rust<br>( <i>Uromyces appendiculatus</i> )<br>Soy bean rust<br>( <i>Phakopsora pachyrhizi</i> )                                                                                                                                                                                                                                                               | Green beans, Dry beans,<br>Soy beans<br>250 mℓ/ha<br>Dry beans only<br>325 mℓ/ha<br>300 mℓ/ha                                                                                                                                                                                                           | <b>Ground Application:</b><br>Apply in 500 ℓ water per ha at 10 to 14 day intervals.<br><br>Apply in 500 ℓ water per ha at 18 to 21 day intervals.<br><b>Aerial Application:</b> Apply in 30ℓ water per ha. Repeat at 14 to 21 day intervals.                                                                                                                                                                                                                                                                                                                                                                 |
| <b>CITRUS</b><br><br>Navel end-rot/black core rot<br>( <i>Alternaria citri</i> )<br>Brown spot<br>( <i>Alternaria alternata</i> )                                                                                                                                                                                                                                                       | Navel, Clementine, Mandarin.<br>40 to 60 mℓ/100 ℓ water<br><br>Mandarin.<br>40 to 60 mℓ +<br>200 g Mancozeb 800 WP /100 ℓ water                                                                                                                                                                         | Apply at 50 % petal drop and repeat at 100 % petal drop.<br>Use the higher dosage rate where orchards are known to have an <i>Alternaria</i> infection.<br>Apply as a medium cover spray at ± 20 ℓ spray mix per tree depending on tree size.<br>Do not apply more than 3.0 ℓ <b>DICATI</b> per ha per season.                                                                                                                                                                                                                                                                                                |
| <b>GRAPES</b><br><br>Powdery mildew<br>( <i>Oidium tuckeri</i> ,<br>= <i>Uncinula necator</i> )                                                                                                                                                                                                                                                                                         | 125 mℓ/ha                                                                                                                                                                                                                                                                                               | Apply as a full cover spray to the point of run-off at 14 day intervals. Apply the first spray when shoots are 10 to 25 cm long and the last spray before bunch closure (berry touch stage).<br>Do not apply more than 4 treatments per season.<br>Table grapes: spray volume between 500 and 1 200 ℓ/ha depending on growth stage.<br>Wine grapes: spray volume between 250 and 1 000 ℓ/ha depending on growth stage.                                                                                                                                                                                        |
| <b>GROUNDNUTS</b><br><br>Early leaf spot<br>( <i>Cercospora arachidicola</i> )<br><br>Late leaf spot<br>( <i>Cercosporidium personatum</i> )<br><br>Web blotch<br>( <i>Phoma arachidicola</i> )<br><br>Rust<br>( <i>Puccinia arachidis</i> )                                                                                                                                            | GROUND APPLICATION<br>Dryland<br>300 mℓ and 200 mℓ/ha<br>Apply 300 mℓ/ha for the first application and repeat every 10-14 days using 200 mℓ/ha<br>OR<br>325 mℓ/ha every 18-21 days.<br>Irrigation<br>300 mℓ/ha every 10-14 days<br>OR<br>400 mℓ/ha every 18-21 days.<br>AERIAL APPLICATION<br>350 mℓ/ha | Commence application at the first signs of disease. All spray programmes should continue until the plants start senescence naturally.<br>Add 0.15 % ‘Crop Oil’ (150 mℓ/100 ℓ water) to the <b>DICATI</b> spray mix.<br><br>Apply in a protective spray programme. Commence applications at the start of flowering (10-12 weeks after planting) or earlier, if the disease(s) starts to develop.<br><br>Aerial applications are recommended as an emergency measure when conditions are unfavourable for good application.<br>Apply every 14-21 days on dryland crops and every 10-14 days on irrigated crops. |
| <b>MAIZE AND SWEET CORN</b><br><br>Grey leaf spot<br>( <i>Cercospora zeae-maydis</i> )<br><br>Northern leaf blight<br>( <i>Helminthosporium turcicum</i> )                                                                                                                                                                                                                              | AERIAL APPLICATION<br><br>300 mℓ/ha                                                                                                                                                                                                                                                                     | <b>Grey leaf spot:</b> Commence spraying when disease is present on the lower leaves and before symptoms show on the three leaves immediately below the cob and before symptoms exceed 2 % of leaf area. Repeat applications may be necessary 14 to 21 days later.<br><b>Northern leaf blight:</b> Commence spraying at first signs of disease and before 2 % of leaf area is infected with the disease. Repeat sprays should be made 14 to 21 days later.                                                                                                                                                    |
| <b>POTATOES</b><br><br>Early blight<br>( <i>Alternaria solani</i> )                                                                                                                                                                                                                                                                                                                     | GROUND AND AERIAL APPLICATION<br>175 mℓ/ha every 7 days<br>OR<br>250 mℓ/ha every 10 days<br>OR<br>350 mℓ/ha every 14 days                                                                                                                                                                               | Apply in a protective programme. Commence applications immediately before flowering (or earlier if the disease starts to develop) and continue until the plants start to senesce (end of flower drop). Ensure complete coverage of the plant mass with the spray mixture.<br><b>DICATI</b> does not control late blight ( <i>Phytophthora infestans</i> ).                                                                                                                                                                                                                                                    |
| <b>TOMATOES</b><br><br>Early blight<br>( <i>Alternaria solani</i> )                                                                                                                                                                                                                                                                                                                     | High volume:<br>35 mℓ/100 ℓ water<br><br>Low volume mistblowers:<br>350 mℓ/ha                                                                                                                                                                                                                           | High volume sprays: apply 500 to 2 000 ℓ spray mix per ha.<br>Low volume sprays: apply 350 mℓ <b>DICATI</b> per ha. Start spray applications at flower initiation and continue through the picking stages.<br>Do not spray <b>DICATI</b> more than 8 times in a crop. Low disease pressure: apply at 14 day intervals. Moderate to heavy disease pressure: Alternate <b>DICATI</b> sprays with a registered broad spectrum fungicide such as Chlorothalonil or Copper or Mancozeb applied at 7 day intervals.                                                                                                 |
| <b>REMARKS:</b> Commence applications earlier if the disease starts to develop. During the pre-flowering stages and after the <b>DICATI</b> treatments are discontinued, apply a suitable broad spectrum fungicide. Ensure complete coverage of the entire plant mass with spray mixture at all times.<br><b>DICATI</b> does not control late blight ( <i>Phytophthora infestans</i> ). |                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

**SEGAR** (contains 250 g Azoxystrobin/ℓ, SC) is registered by Sharda International Africa; Reg. No. L8593, Act No. 36 of 1947.